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March 4, 2004

TO: Mr. Russell Hart, RPM
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

FROM: Mr. David Curnock, PM, SECOR International Inc. *DAH for DMC*

RE: **MONTHLY PROGRESS REPORT/MEMORANDUM**
Area 9/10 Remedial Design
Southeast Rockford Groundwater Contamination Superfund Site
Rockford, Illinois

Copies: Mr. Thomas Turner, Regional Counsel, USEPA Region V
Mr. Scott Moyer, Hamilton Sundstrand/United Technologies Corporation
Ms. Kathleen McFadden, United Technologies Corporation
Mr. Thomas Williams, PM, IEPA
Mr. Terry Ayers, IEPA

CURRENT MONTH PROJECT ISSUES/STATUS: *(activities, meetings, deliverables, etc.)*

The field work (off-site pre-design investigation) is underway. Access to the two southern properties (DRB Buildings, 2525 11th Street, and the Rockford Products parking lot) has allowed for activities to continue. The main activities that were undertaken during the month of February 2004 consisted of the implementation of the ground penetrating radar (GPR) and electro-magnetic (EM) survey of a portion of the Rockford Products parking lot, completion of land and elevation surveys by a licensed land surveyor for the soil borings and monitoring wells installed to date, and the preparations for continued drilling, sampling, and monitoring well installation on the two southern off-site properties. Also, based on the (re-) observation of light non-aqueous phase liquid (LNAPL) in two recovery wells located in the South Alley on the site, three additional monitoring wells were proposed for installation on the DRB Buildings property (south of the South Alley) to determine the limits of the LNAPL. This LNAPL presence is being considered a pre-existing condition in that it has and will continue to be addressed by Hamilton Sundstrand. Product recovery efforts are being undertaken and upon determination of the extent, these efforts will be appropriately modified for greater removal and monitoring efficiency.

The preliminary results from the GPR/EM survey efforts performed on the northern portion of the Rockford Products parking lot did not indicate the presence of any near surface objects resembling underground storage tanks or buried drums. Attempts were made during the survey to identify the location of the original monitoring well (MW201) installed during the Source Control Remedial Investigation in 1996-1997. Based on field readings, it appears that the original MW201 was located to the southeast of the current MW201 (approximately

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30 feet). The exact location was unable to be determined, however. This probable location was also supported by Illinois Environmental Protection Agency information discussion.

Investigation derived wastes (IDWs) from areas other than the OSA are being managed as non-hazardous wastes based on laboratory characterization results. These materials are being stored on-site in appropriate covered/closed containers in a secured area of the site pending off-site disposal. During February, approximately 6,000 pounds, or approximately 800 gallons of liquid IDW from decontamination and well development activities were removed from the site for treatment by Clean Harbors.

FUTURE PROJECT ISSUES/STATUS: *(activities, meetings, deliverables, etc.)*

Project activities for March 2004 will include the completion of the installation of soil borings and monitoring wells located on the two off-site properties south of the Hamilton Sundstrand facility. With the completion of the GPR/EM survey and preliminary evaluation of that data performed, the sampling locations for the remaining soil borings and monitoring wells have been selected for the Rockford Products parking lot area. The location of the deep soil boring/monitoring wells will be in the vicinity of the "original" MW-201. An additional soil boring will be advanced to the west of the location of the "existing" MW-201.

A total of four sampling locations (soil borings completed as monitoring wells) are to be undertaken on the DRB Buildings property. These locations consist of the originally proposed SMW-7 and three additional sampling locations (SMW-16, SMW-17, and SMW-18) in an attempt to determine the extent of the LNAPL observed in the two South Alley recovery wells. The three additional locations on the DRB Buildings property will consist of continuous soil borings to a depth of 45 feet below grade. Each boring will be converted to a monitoring well capable of detecting the presence of LNAPL. The screened interval (15 feet total) will extend approximately five feet above the water table and ten feet below the water table.

Upon completion of the installation of these remaining off-site wells, they will be developed. They will also be surveyed (location and elevation) for inclusion into the base map for the site already under development.

Preparations will be undertaken for the collection of groundwater samples from all of the wells included in the Pre-Design Investigation effort. The additional monitoring wells used to determine the extent of the LNAPL will be included in this round of groundwater sampling, provided LNAPL is not present.

SAMPLE/TEST DATA SUBMITTALS:

No data is included with this submittal.

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RD SCHEDULE UPDATE: *(attach updated schedule as necessary)*

The field sampling activities associated with the pre-design investigation are continuing with the performance of site soil boring and monitoring well installation on the off-site properties to the south of the Hamilton Sundstrand facility. The identification of the presence of petroleum LNAPL in two wells in the South Alley has resulted in additional investigation points. Hamilton Sundstrand will continue to work with the USEPA on keeping the Remedial Design efforts for Area 9/10 moving forward in an expeditious and reasonable fashion.

REALIZED/ANTICIPATED PROBLEM CONDITIONS:

None.

PERSONNEL CHANGES:

None.